Claims

1. A method comprising:

generating a cipher stream based on a first key for encrypted streamed content;

generating a second cipher stream based on a second key to re-encrypt the streamed content;

receiving the encrypted streamed content;

simultaneously decrypting and re-encrypting the encrypted content using a combination of the first and the second cipher streams;

conveying the re-encrypted content to a sink.

2. The method of Claim 1, wherein simultaneously decrypting and re-encrypting the encrypted streamed content comprises exclusive OR-ing the encrypted streamed content with the cipher stream combination.

3. The method of Claim 1, wherein the cipher stream combination comprises a result of exclusive OR-ing the first and second cipher streams.

4. The method of Claim 3, wherein the first key and the second key have symmetric agreement.

5. The method of Claim 1, further comprising receiving one or more of the first key and the second key over a secure authenticated channel.

6. The method of Claim 5, wherein receiving a key over a secure authenticated channel comprises receiving the key from a sales server.

7. The method of Claim 5, wherein the secure authenticated channel comprises an Internet connection.

8. The method of Claim 5, wherein the secure authenticated channel comprises a telephone line.

9. The method of Claim 1, further comprising conveying the second key to the sink to enable the sink to decrypt the re-encrypted content.

10. The method of Claim 1, wherein the encrypted streamed content is publicly available and encrypted with a public key and wherein the first key is a locally available private key.

11. The method of Claim 1, wherein the encrypted content is a broadcasted entertainment program.

12. A machine-readable medium having stored thereon data representing sequences of instructions which, when executed by a machine, cause the machine to perform operations comprising:

generating a cipher stream based on a first key for encrypted streamed content;

generating a second cipher stream based on a second key to re-encrypt the streamed content;

receiving the encrypted streamed content;

simultaneously decrypting and re-encrypting the encrypted content using a combination of the first and the second cipher streams;

conveying the re-encrypted content to a sink.

13. The medium of Claim 12, wherein the instructions for simultaneously decrypting and re-encrypting the encrypted streamed content comprise instructions which, when executed by the machine, cause the machine to perform further operations

comprising exclusive OR-ing the encrypted streamed content with the cipher stream combination.

14. The medium of Claim 12, wherein the cipher stream combination comprises a result of exclusive OR-ing the first and second cipher streams.

15. The medium of Claim 12, wherein the first key and the second key have symmetric agreement.

16. The medium of Claim 12, further comprising instructions which, when executed by the machine, cause the machine to perform further operations comprising receiving one or more of the first key and the second key over a secure authenticated channel.

17. An apparatus comprising:

a content interface to receive encrypted streamed content;

a computing device to generate a cipher stream based on a first key for encrypted streamed content, to generate a second cipher stream based on a second key to encrypt streamed content and to simultaneously decrypt and re-encrypt the received encrypted streamed content using a combination of the first and the second cipher streams; and

a sink interface to convey the re-encrypted content to a sink.

18. The apparatus of Claim 17, further comprising a secure authenticated channel interface to receive one of either the first key or the second key.

19. The apparatus of Claim 17, wherein the first key and the second key have symmetric agreement and wherein the combination of the first and the second cipher

streams is a result of exclusive OR-ing the encrypted content stream with an encryption stream.

20. The apparatus of Claim 17, wherein the computing device conveys the second key to the sink to enable the sink to decrypt the re-encrypted content.

21. The apparatus of Claim 17, wherein the computing device includes a broadcast entertainment set-top box.